

APPLICATION FOR PERMIT

TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office..... OCT 14 1983

Returned to applicant for correction..... NOV 23 1983

Corrected application filed.....

Map filed..... DEC 14 1983

The applicant..... Trans-Pacific Geothermal, Inc.

1419 Broadway, Suite 415....., of..... Oakland  
Street and No. or P.O. Box No. City or Town

California 94612....., hereby make..... application for permission to appropriate the public  
State and Zip Code No.

waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.) TGS Associates is a partnership comprised of Trans-Pacific Geothermal, Inc. incorporated in Nevada 11-16-81, and SR Geothermal, Inc., incorporated in Delaware 9-23-81.

1. The source of the proposed appropriation is..... a water well, specifically drilled for that  
Name of stream, lake, spring, underground or other source  
 purpose.....

2. The amount of water applied for is..... 3.5..... second-feet  
One second-foot equals 448.83 gals. per min.  
 (a) If stored in reservoir give number of acre-feet..... N/A

3. The water to be used for..... cooling water for proposed geothermal power plant  
Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.

4. If use is for:  
 (a) Irrigation, state number of acres to be irrigated.....  
 (b) Stockwater, state number and kinds of animals to be watered.....  
 (c) Other use (describe fully under "No. 12. Remarks").....  
 (d) Power:

(1) Horsepower developed..... 20 megawatts  
 (2) Point of return of water to stream..... storage pond (seepage back to ground).

5. The water is to be diverted from its source at the following point..... T25N., R37E., MDM., Section 33;  
Describe as being within a 40-acre subdivision of public  
 located in NE¼ of SW¼ from whence the SW corner of Sec 33 bears S50°45'26"W, survey, and by course and distance to a section corner. If on unsurveyed land, it should be so stated.  
 a distance of 2978.20'.

6. Place of use..... NE¼ of SW¼ of Section 33, T25N., R37E., MDM.  
Describe by legal subdivision. If on unsurveyed land, it should be so stated.

7. Use will begin about..... January 1..... and end about..... December 31....., of each year.  
Month and Day Month and Day

8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.)..... Drilled well with pump and motor  
State manner in which water is to be diverted, i.e. diversion structure, ditches and flumes, drilled well with pump and motor, etc.

9. Estimated cost of works..... \$100,000

10. Estimated time required to construct works.....two weeks  
If well completed, describe works.
11. Estimated time required to complete the application of water to beneficial use.....six months
12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.  
Cooling water for one power plant, 20 megawatts, located at well  
45-33.

By s/ W. ? Turnbull  
1419 Broadway  
Oakland, CA 94612

Compared.....js/ds.....js/se

Protested.....

APPROVAL OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

This permit is issued subject to existing rights. It is understood that the amount of water herein granted is only a temporary allowance and that the final water right obtained under this permit will be dependent upon the amount of water actually placed to beneficial use. It is also understood that this right must allow for a reasonable lowering of the static water level. This well shall be equipped with a two (2) inch opening for measuring depth to water. If the well is flowing, a valve must be installed and maintained to prevent waste. A totalizing meter must be installed and maintained in the discharge pipeline near the point of diversion and accurate measurements must be kept of water placed to beneficial use. The totalizing meter must be installed before any use of water begins, or before the Proof of Completion of Work is filed. This source is located within an area designated by the State Engineer, pursuant to NRS 534.030. The State retains the right to regulate the use of the water herein granted at any and all times.

This Permit does not extend the permittee the right of ingress and egress on public, private or corporate lands.

The total combined duty of water under Permits 43553, 43556, 45734 and 47321 shall not exceed 2,242 acre-feet annually.

(CONTINUED ON Page 2)

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed.....3.5.....cubic feet per second, but not to exceed 2,242 acre-feet annually.

Work must be prosecuted with reasonable diligence and be completed on or before.....December 27, 1987

Proof of completion of work shall be filed before.....January 27, 1988

Application of water to beneficial use shall be made on or before.....December 27, 1988

Proof of the application of water to beneficial use shall be filed on or before.....January 27, 1989

Map in support of proof of beneficial use shall be filed on or before.....

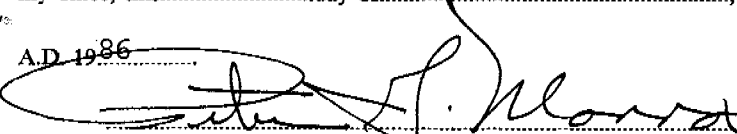
Completion of work filed.....

Proof of beneficial use filed.....

Cultural map filed.....

Certificate No.....Issued.....

IN TESTIMONY WHEREOF, I, PETER G. MORROS  
State Engineer of Nevada, have hereunto set my hand and the seal of  
my office, this.....8th.....day of.....December.....  
A.D. 1986

  
State Engineer

(PERMIT TERMS CONTINUED)

The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies.

This permit is issued under the provisions of NRS 534.120(2) as a preferred use.